

Recent IBM Patents

The following patents were recently issued by the countries in which the inventions were made. For U.S. patents, titles and names supplied to us by the U.S. Patent Office are reproduced exactly as they appear on the original published patent.

Federal Republic of Germany

2,861,541,009	H. Moritz	Method and System for In Situ Control of Material Removal Process
2,961,809,609	W. Haug	Circuit for Recharging the Output Nodes of Field Effect Transistor Circuits

France

7,512,557	H. Nussbaumer	Digital Filter Generating a Discrete Convolution Function
7,539,629	A. Desblache	Self-Adaptive Digital Filters for Noise and Phase
7,733,121	A. Desblache	Method and Device for Determining the Phase Intercept in a System Employing Phase-Shift Keying Modulation

United Kingdom

1,599,537	D. J. Barclay and J. M. Vigar	Bright Dip for Electroplated Chromium
1,602,404	D. J. Barclay and J. M. Vigar	Electroplating Metals

United States

4,303,482	J. Böhne, R. Schäfer, and A. Stoffel	Apparatus and Method for Selective Electrochemical Etching
4,303,545	R. S. Cutler and R. M. Lindquist	Hot Roll Cleaning Paste and Method
4,303,547	J. M. Brownlow	Luminescent Material
4,303,738	D. Gini, T. L. Larson, R. A. Merten, and A. Simonetti	Magnetic Media Having Tridecyl Stearate Lubricant
4,303,855	U. H. Bapst, F. Gfeller, and P. Vettiger	System for Separating an Optical Signal from Ambient Light
4,303,925	W. P. Harbour, Jr. and R. S. Heard	Method and Apparatus for Controlling the Position of Printed Ink Droplets
4,303,927	S. H. Tsao	Apparatus for Exciting an Array of Ink Jet Nozzles and Method of Forming
4,303,929	T. W. Blanch	Air Purging Pump for Ink Jet Printers
4,303,933	C. T. Horng, M. R. Poponiak, H. S. Rupprecht, and R. O. Schwenker	Self-Aligned Micrometer Bipolar Transistor Device and Process
4,303,992	K. G. Barkley, M. Ghafghaichi, Y. R. Gopalakrishna, and A. J. Tzou	Serial Parallel Charge Coupled Device Employing a Gate Splitting Device
4,304,273	A. H. Caudill, L. M. Simson, and J. W. Stanley	Toner Container and Toner Dispensing Apparatus
4,304,360	R. J. Luhr and E. Marti	Xerographic Toner Manufacture
4,304,450	M. S. Bilsback and M. J. Costa	Repair of Open Circuited Gas Discharge Panel Conductors
4,304,465	A. F. Diaz	Electrochromic Display Device
4,304,467	M. E. Rabedeau	Focussed Laser Beam Optical
4,304,497	B. R. Cavill and R. B. Steup	Detection of Multiple Emitter Changes in a Printer Subsystem
4,304,536	G. T. Davis, W. Mueller, L. P. Remsen, and A. A. Stricker	Green Sheet Support Fixture Speed and Position Control System for a Screening Machine
4,304,623	T. F. Ciszek	Method for Forming Silicon Crystalline Bodies
4,304,641	J. Grandia, D. F. O'Kane, and H. A. E. Santini	Rotary Electroplating Cell With Controlled Current Distribution
4,305,079	A. L. Mix, Jr.	Movable Ink Jet Gutter
4,305,080	E. A. Cunningham, D. E. Cutshall, G. M. Heiling, R. L. Soderstrom, and J. M. Thompson	Compensating Driver Circuit for Terminal Print Head
4,305,135	J. P. Dahl, P. R. Epley, and J. E. Fox	Program Controlled Capacitive Keyboard Variable Threshold Sensing System
4,305,139	J. D. Zbrozek	State Detection for Storage Cells
4,305,577	S. A. Clay and R. A. Lamos	Apparatus for Applying, Varying and Removing a Normal Force in a Shingler Wheel Type Document Feeder
4,305,652	A. J. Dattilo, C. A. Queener, and J. M. Woodward	Merging of Information in a Copier-Printer System
4,306,006	D. Descamps, D. Guermont, Z. Paczinski, and J. Sautereau	Method of Directly Manufacturing Reticle Patterns of Chrome-Coated Plates by Means of a Pattern Generator
4,306,159	S. K. Wiedmann	Bipolar Inverter and Nand Logic Circuit with Extremely Low DC Standby Power
4,306,194	D. B. Chapman	Data Signal Detection Circuit

4,306,286	J. Cocke, R. L. Malm, and J. J. Shedletsky	Logic Simulation Machine
4,306,300	L. M. Terman and Y. S. Yee	Multi-Level Charge-Coupled Device Memory System Including Analog-to-Digital and Trigger Comparator Circuits
4,306,713	M. D. Avritt and R. A. Lamos	Document Feeder
4,306,771	C. G. Bjorklund	Optical Pulse Shaping Device and Method
4,306,951	S. W. Depp and K. E. Petersen	Electrochemical Etching Process for Semiconductors
4,307,132	W.-K. Chu, J. K. Howard, and J. F. White	Method for Fabricating a Contact on a Semiconductor Substrate by Depositing an Aluminum Oxide Diffusion Barrier Layer
4,307,167	L. D. Bowden, R. B. Champ, and M. T. Moore	Layered Electrophotographic Plate Having Tetramethyl Benzened Based Diazo Dye
4,307,178	L. H. Kaplan and S. M. Zimmerman	Plasma Development of Resists
4,307,179	K. Chang, G. T. Chiu, A. Hoeg, Jr., and L. H. Lee	Planar Metal Interconnection System and Process
4,307,180	H. B. Pogge	Process of Forming Recessed Dielectric Regions in a Monocrystalline Silicon Substrate
4,307,461	N. F. Brickman and W. R. Crosthwait	Call Processor for a Satellite Communications Controller
4,307,763	J. P. Wang	Toner Container
4,307,968	A. B. Habich and R. E. Hunt	Font Changing Apparatus for Daisy Wheel Printer
4,307,971	M. H. Kane III and T. M. Paulson	Sideshift Erase Apparatus and Method for Impact Printers
4,308,318	W. J. Weiche	Rub Resistant Ribbon for Non-Impact Printing
4,308,469	J. R. Cavaliere, R. A. Henle, R. R. Konian, and J. L. Walsh	Unity Gain Emitter Follower Bridge Circuit
4,308,532	A. S. Murphy	Raster Display Apparatus
4,308,582	D. A. Berger	Precursory Set-Up for a Word Processing System
4,308,592	R. P. McGouey	Patterned Kill of Magnetoresistive Layer in Bubble Domain Chip
4,308,595	R. J. Houghton	Array Driver
4,309,117	L. S. Chang and A. DeMore	Ribbon Configuration for Resistive Ribbon Thermal Transfer Printing
4,309,255	P. L. Gendler, B. D. Grant, and C. D. Snyder	Electrochromic Recording Paper
4,309,703	R. E. Blahut	Segmented Chirp Waveform Implemented Radar System
4,309,716	B. El-Kareh	Bipolar Dynamic Memory Cell
4,309,754	J. M. Dinwiddie, Jr.	Data Interface Mechanism for Interfacing Bit-Parallel Data Buses of Different Bit Width
4,309,812	C. T. Horng, R. O. Schwenker, and P. J. Tsang	Process for Fabricating Improved Bipolar Transistor Utilizing Selective Etching
4,309,985	A. Bohg and M. Briska	Solar Collector with Lens Array
4,310,247	H.-E. Korth and F. Schedewie	Method and Apparatus for Analyzing the State of Polarization of Radiation
4,310,257	T. R. Field and M. L. VanArsdall	Typewriter Cartridge Lock-Down
4,310,568	J. K. Howard, W. D. Rosenberg, and J. F. White	Method of Fabricating Improved Schottky Barrier Contacts
4,310,798	A. Brunsch, W. D. Ruh, J. Schneider, and G. Trippel	Apparatus for Measuring Magnetostriction Constant
4,310,845	C.-H. S. Tsao	Ink Drop Compensation Based on Dynamic, Print-Data Blocks
4,310,868	J. B. Lillie and J. L. Sanford	Fast Cycling, Low Power Driver for an Electromagnetic Device
4,310,882	P. W. Hunter and A. E. Malaccorto	DAS Device Command Execution Sequence
4,310,883	R. D. Clifton and R. F. Phares	Method and Apparatus for Assigning Data Sets to Virtual Volumes in a Mass Store
4,310,895	G. H. Edstrom and P. H. Paulsen	Plural Null Digital Interconnections
4,311,400	M. Loughridge	Shift Sensitive Dual Velocity Mechanism for a Printer
4,311,436	F. Hendriks	Fluid Pressure and Velocity Sensing Apparatus
4,311,925	A. Y. Chang and P. J. Pandya	Current Switch Emitter Follower Latch Having Output Signals with Reduced Noise
4,312,012	R. G. Frieser and M. D. Reeber	Nucleate Boiling Surface for Increasing the Heat Transfer from a Silicon Device to a Liquid Coolant
4,312,066	D. F. Bantz, C. J. Evangelisti, and R. A. Nelson	Diagnostic/Debug Machine Architecture
4,312,116	F. R. Moser and R. W. Noth	Method of Sealing an Electronic Module in a Cap
4,312,564	F. P. Cefarelli and R. T. Evans	Multi-Fiber Optic Connector
4,312,589	R. C. Brannan, H. R. Markham, and B. A. Nilsson	Charge Density Control for an Electrostatic Copier
4,312,681	H. S. Rupprecht and J. M. Woodall	Annealing of Ion Implanted III-V Compounds in the Presence of Another III-V Compound Having Higher Dissociation Pressure
4,312,935	E. M. Engler, J. D. Kuptsis, R. G. Scad, and Y. Tomkiewicz	Class of E-Beam Resists Based on Conducting Organic Charge Transfer Salts
4,312,936	E. M. Engler, J. D. Kuptsis, R. G. Scad, and Y. Tomkiewicz	Class of E-Beam Resists Based on Conducting Organic Charge Transfer Salts
4,312,991	E. M. Engler, V. V. Patel, and R. R. Schumaker	Dithiobenzoate 4,5-Dicyano-1,3-(Dithiolidene-2-yl)Methylene